

ctcccgcgg ctctaaacccg cgcttggtcta aggtccgcgg gaacccgtga gccaccgaga gagcagagaa 70  
 ctgcgcgcg ccaaacagcc cagctcgcg ttcagcgtcc cggcgcgctc gccactctc ccg 130  
  
 atg gcc aca gat gtc ttt aat tcc aaa aac ctg gcc gtt cag gca caa aag aag atc 190  
 1 M A T D V F N S K N L A V Q A Q K K I  
 ttg ggt aaa atg gtg tcc aaa tcc atc gcc acc tta ata gac gac aca agt agt 247  
 20 L G K M V S K S I A T T L I  
 gag gtg ctg gat gag ctc tac aga gtg acc agg gag tac acc caa aac aag aag gag 304  
 39  
 gca gag aag atc atc aag aac ctc atc aag aca gtc atc aag ctg gcc att ctt tat 361  
 58  
 agg aat aat cag ttt aat caa gat gag cta gca ttg atg gag aaa ttt aag aag aaa 418  
 77  
 gtt cat cag ctt gct atg acc gtg gtc atg ttc cat cag gtg gat tat acc ttt gac 475  
 96 A M T V V S F H Q V D Y T F D  
 cgg aat gtg tta tcc agg ctg tta aat gaa tga aga gag atg ctg cac caa atc att 532  
 96 R N V L S R L L N E C R E M L H Q I I  
 cag cgc cac ctc act gcc aag tca cat gga cgg gtt aat aat gtc ttt gat cat ttt 589  
 134 Q R H L T A K S H G R V N N V F D H F  
 tca gat tgt gaa ttt ttg gct gcc ttg tat aat cct ttt ggg aat ttt aaa ccc cac 700  
 153 S D C E F L A A L Y N P F G N F K P H  
 tta caa aaa cta tgt gat ggt atc aac aaa atg ttg gat gaa gag aac ata tga 770  
 172 L Q K L C D G I N K M L D E E N I \*  
 gcacatgagt taagattgtg actgatcatg atttatttga agatggagca ctgctgattt atgaaggaaa 770  
 aaagaagaat ttctaaaga ttacacatat ttcaagaaga ctttacccaa ttccagttgtc agacataatg 840  
 atttatttga aggcctgttt tattgaaga aaagcatatt gccaaaaatt ctggttaaaa gcttcctaatt 910  
 gggtaacaga ccatgggaga gatattggt tgggtaatgc gaatgtagtt atacaaagaa aatacagat 980  
 gtctccagac ctgaggactt ttaaataggg cggttgttgt gtgtgtgcca cattggatat ttctaaccatg 1050  
 tacaaagcta tgtatttga ttactttca ttcttgccta tgtatatga ctttcttaa aatgccaaaga 1120  
 acttctctt gctatcattg ctcttttga aacaattcaa ttttcattgc tacagctgac tgtttgtta 1190  
 agatlgatc atcgacattc aggatttaag tctgaggtag tcaacctca ggaataaata aatgcttat 1260  
 ctgaaatcag tactgtggaa atgaactata ttagctatta tgaataatgt ccagtataag aatatcttc 1330  
 tggattgag ttctctttt aagtaccaat gatactttaa ttctcagaa atgtaattgt gtgtcattgc 1400  
 ctgaaatgc ttgcttaggg ctcttttat gttactttaa aaagtctggt tgaattttcc atttttaca 1470  
 tccatttcac atgtaagaga caaaaaagtc tagatggtc ttgatatga gataataaaa agtaagtgc 1540  
 attaagaagag gtaacaatct tcattctaca gatgaactca ttgaacaat tagggggaat gagggcaaa 1610  
 aggggagaaa tactgctaaa gaactgagc ataaaaatgc gtgcgtttca gtgtttaaga aggcctgata 1680  
 aagaatgtca cttttttatt taactgataa gatttttgtt attttttact ttgataagta aaccaagaa 1750  
 tatttgtatt tcaagcagtt tgtgtgtgt ttctatataa ttttctgtgt ataaataata aagtaggcatt 1820  
 ttgtttattt tgaataaaaag aaatgaaaat ctgctggcca gctatgtcct ctaggaaatg acagacccaa 1890  
 ccaccagc cttttt cattc cattg 1915

FIG. 1

# **A** Death-effector-domain

Human SCC-S2	34	DDTSSEVLDELRYVTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDELLALTEKFKRVHOL	99
Mouse CASH $\alpha/\beta$	112	NDVSSLVF--LTREYTRDYTGRCGIAD--KSFQDLVLEKL--NLIA--NLNLEKCLKNHRA	170
Human CASH $\alpha/\beta$	107	SDVSSLVF--LM---DYMGRGKIEKE--KSFQDLVLEKL--NLVAPDLDLEKCLKNHRA	162
Mouse FLIP (L)	112	NDVSSLVF--LTREYTRDYTGRCGIAD--KSFQDLVLEKL--NLIA--NLNLEKCLKNHRA	167
Human FLIP (L)	107	SDVSSLVF--LM---DYMGRGKIEKE--KSFQDLVLEKL--NLVAPDLDLEKCLKNHRA	162
Mouse FLICE (Casp8)	115	LELRSPKF--L---LNNEIPKCKLEDD--LELLEIFMEVEKR--TMLAENLETNSICDVVMS	170
Human FLICE (Casp8)	115	SELRSPKF--L---LQSEIEKCKLDD--MNLLEIFMEVEKR--VILGGLDLEKRVCAHMS	170

# **B** Viral sequences

Human SCC-S2	37	SEVLDDELRYVTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDELLAL	89
Human Poliovirus 1 VP1	469	QQISDQTEETNMVTS--TI--TEKMKNLIKIISSLIITRNYDTTVLAT	519
Human Poliovirus 2 Polyprotein 1046		QQIGDQSEETSMVTS--TI--TEKMKNLIKIISSLIITRNYDTTVLAT	1096
Human Poliovirus 3 Polyprotein 1045		QQIGDQSEETSMVTS--TI--TEKMKNLIKIISSLIITRNYDTTVLAT	1095
Human Poliovirus 1 P2-3b	167	QQISDQTEETNMVTS--TI--TEKMKNLIKIISSLIITRNYDTTVLAT	217
Human SCC-S2	37	SSEVLDELRYVTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDELLAL	88
Vaccinia virus DNA Polymerase	789	SSNSKSVPERINKGTS--TEREVSQFHKNTIKTYKTLELSEGMNENEC	841

Human SCC-S2	31	TLIDDTSEVLDELRYVTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDELLAL	72
Canine Adenovirus DNA Pol 741	741	TLIPDTRITVFPPEWKCIAREYVQLNISAKSEAKS-KNQTFEAKL	786

# **C** Vinculin family talin binding region protein motif

Human SCC-S2	55	KKAEKIKNLTIVIKLAILYRNNQFNQDELLALTEKFKRVHOLA	VVSFHV	109
Human $\alpha 1$ (E)-Catenin	746	AKIAEGSRDKLSRTADHCPISACKQDLLAYGRIALYCHQLN	SKVKA	800
Human $\alpha 2$ (E)-Catenin	745	AKIAEGSRDKLSRTADHCPISACKQDLLAYGRIALYCHQLN	SKVKA	799
Human Vinculin	951	AKIAEGSRDKLSRTADHCPISACKQDLLAYGRIALYCHQLN	SKVKA	1005

**FIG. 2**

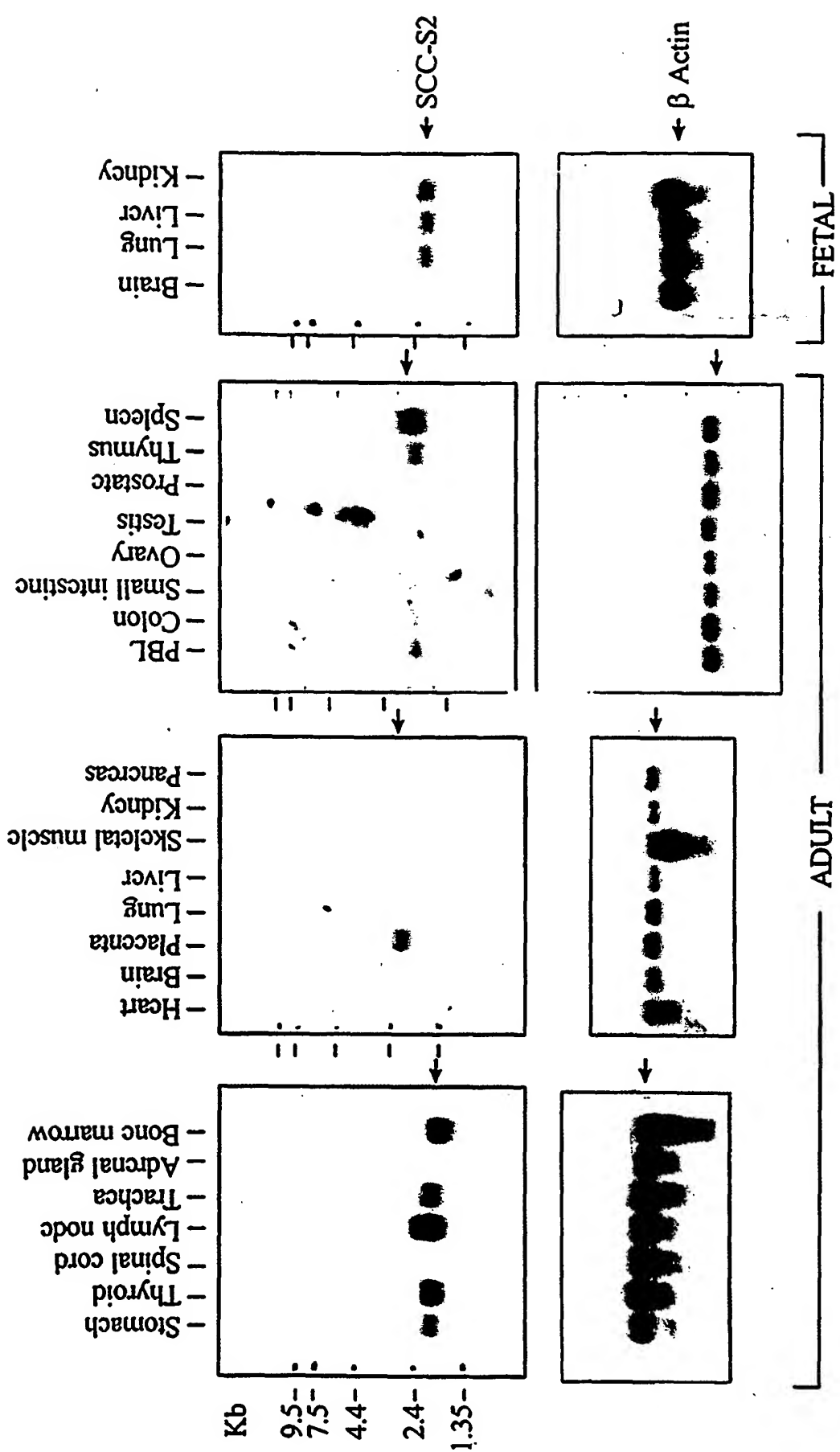


FIG. 3

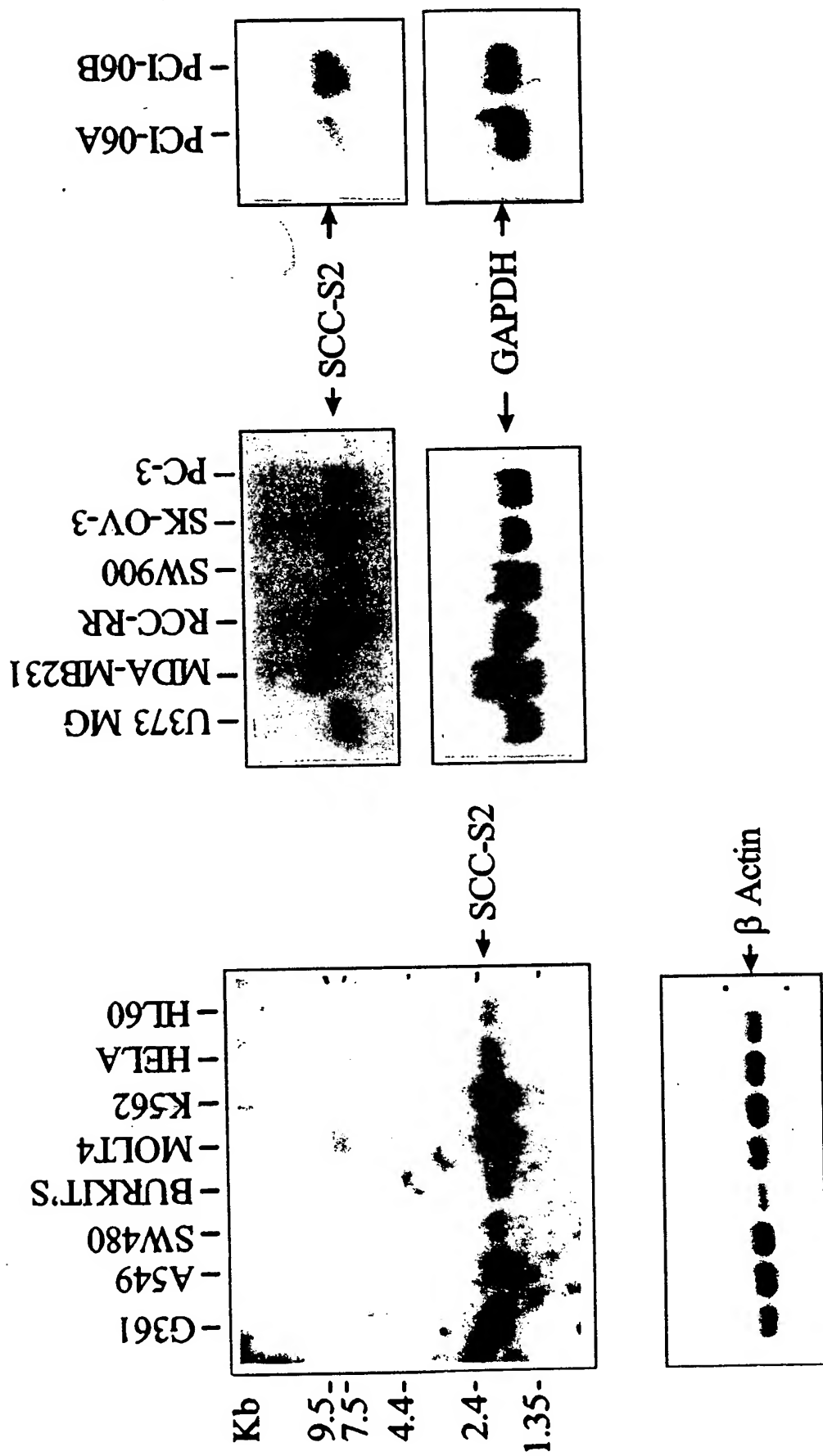


FIG. 4

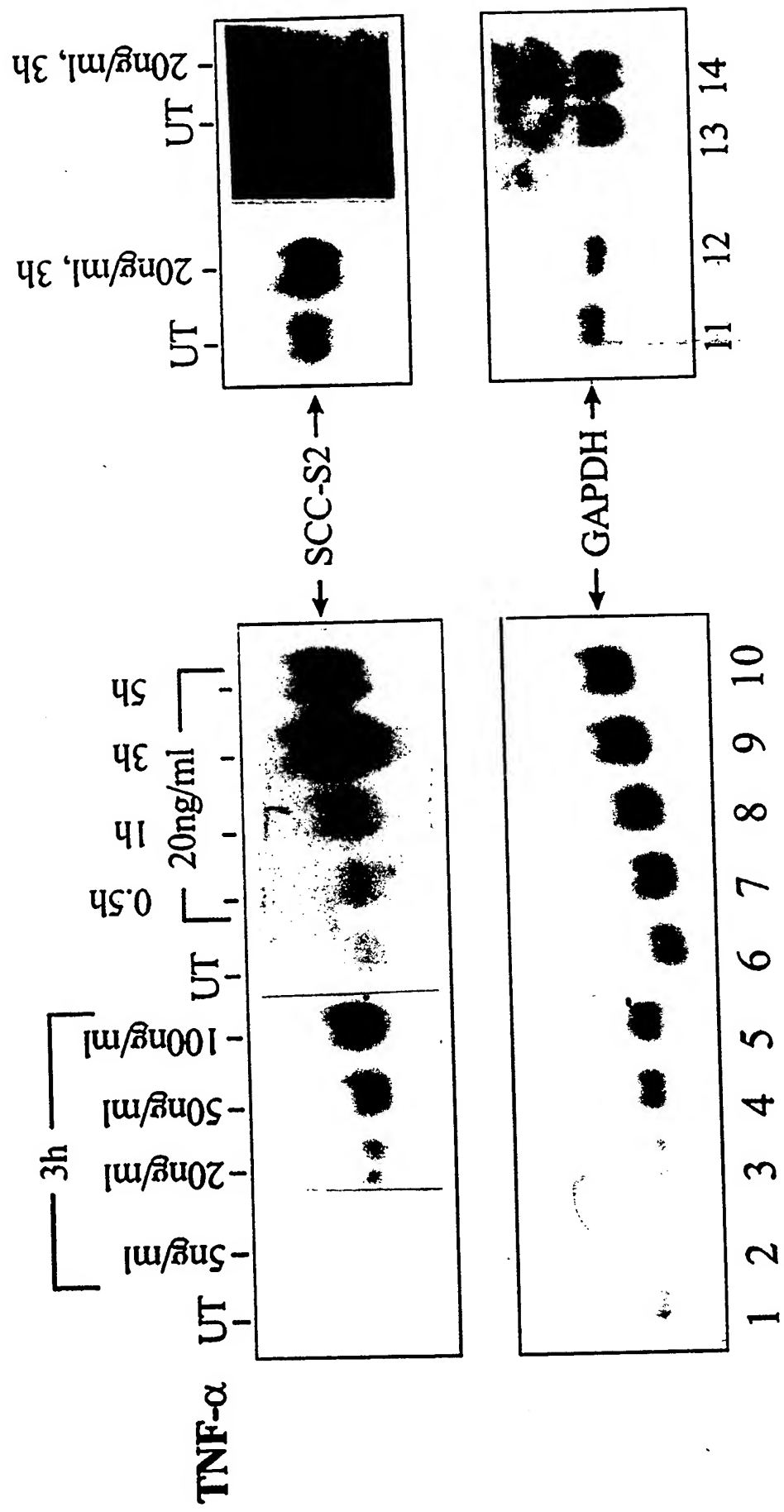


FIG. 5

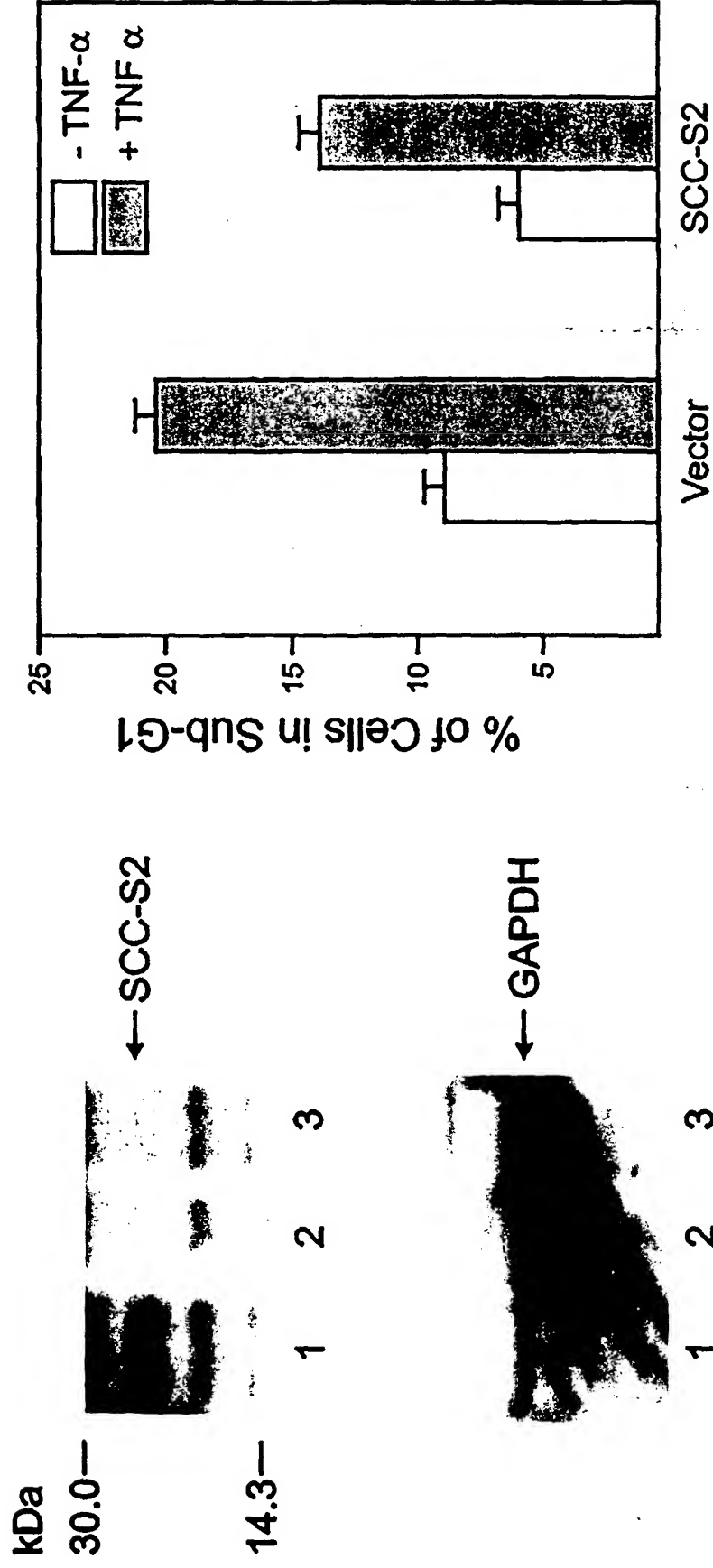
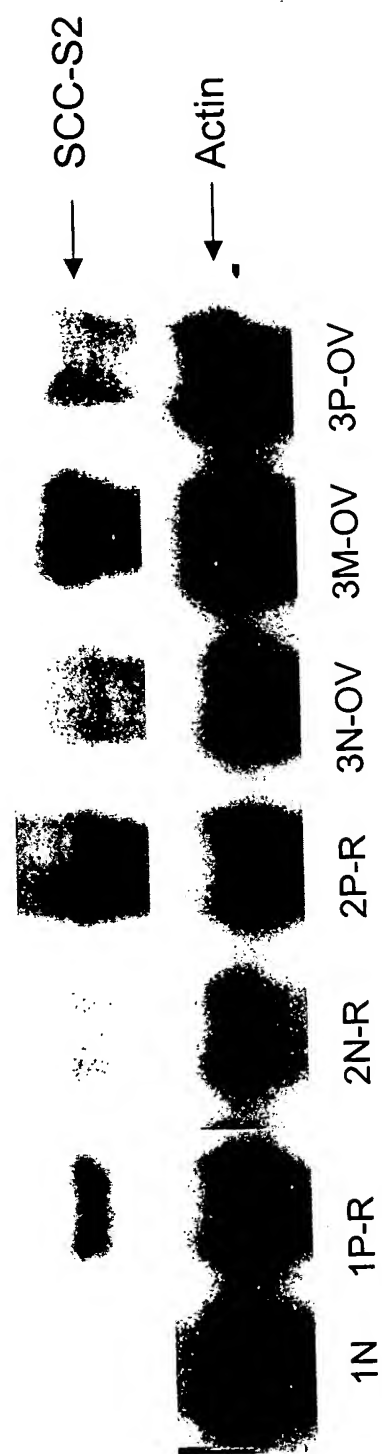


FIG. 6



**FIG. 7**

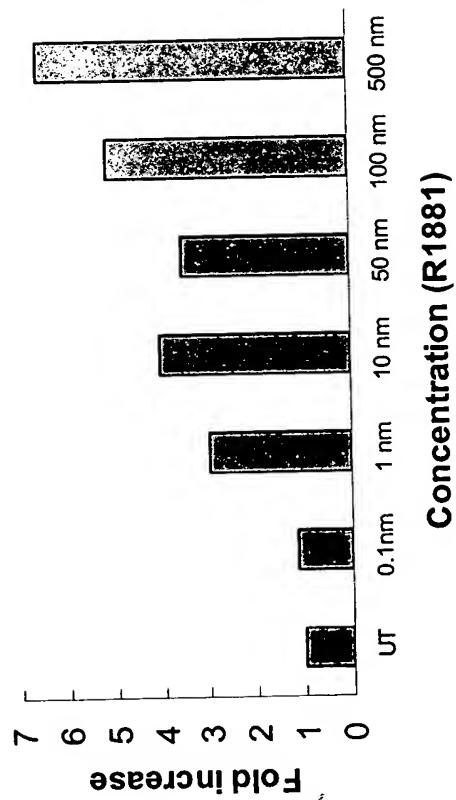
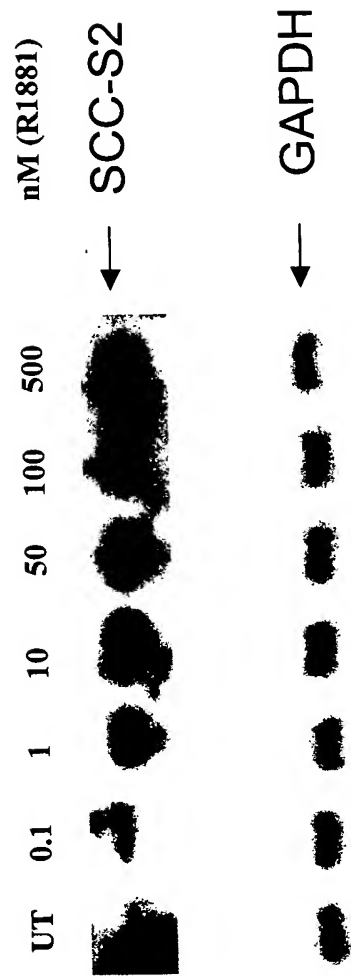
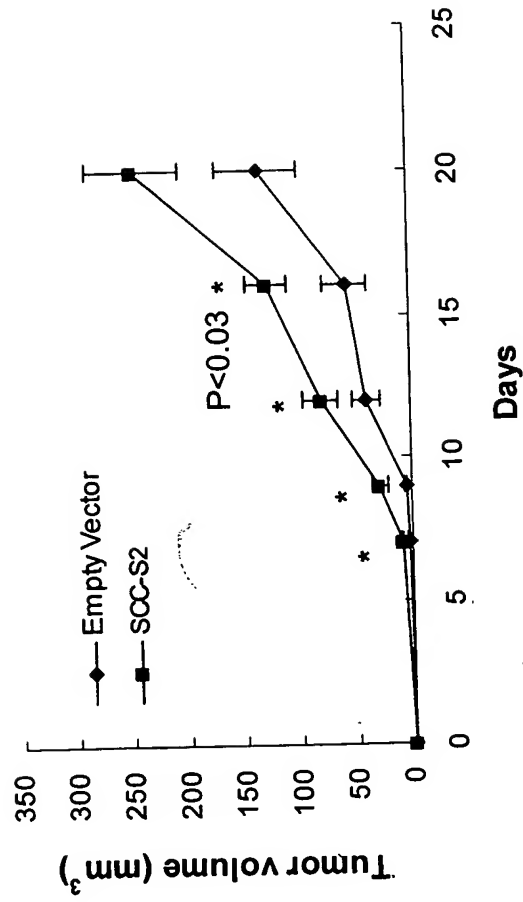
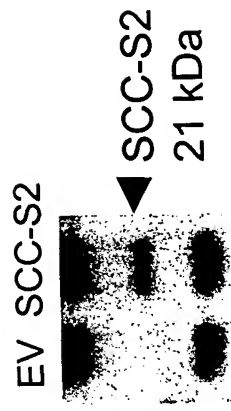
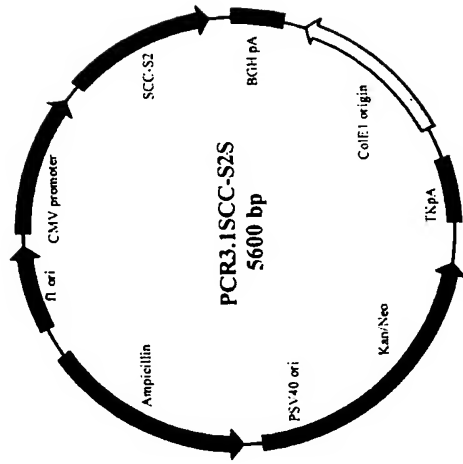


FIG. 8





**FIG. 9**